









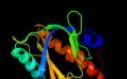








Phyre2

Email	l.a.kelley@imperial.ac.uk
Description	Q9TYT3
Date	Sat Apr 13 13:01:24 BST 2013
Unique Job ID	2b16cb7caa7c6c32

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1oy2a_	 Alignment		100.0	21	Fold: PH domain-like barrel Superfamily: PH domain-like Family: Phosphotyrosine-binding domain (PTB)
2	c3suzA_	 Alignment		100.0	22	PDB header: protein binding Chain: A: PDB Molecule: amyloid beta a4 precursor protein-binding family a member PDBTitle: crystal structure of rat mint2 ppc
3	c3sv1C_	 Alignment		100.0	23	PDB header: protein binding Chain: C: PDB Molecule: amyloid beta a4 precursor protein-binding family a member PDBTitle: crystal structure of app peptide bound rat mint2 parm
4	d1p3ra_	 Alignment		100.0	17	Fold: PH domain-like barrel Superfamily: PH domain-like Family: Phosphotyrosine-binding domain (PTB)
5	c3d8dA_	 Alignment		100.0	17	PDB header: protein binding Chain: A: PDB Molecule: amyloid beta a4 precursor protein-binding family b member PDBTitle: crystal structure of the human fe65-ptb1 domain
6	c2m38A_	 Alignment		100.0	22	PDB header: peptide binding protein Chain: A: PDB Molecule: ankyrin repeat and sterile alpha motif domain-containing PDBTitle: ptb domain of aida1
7	d1wj1a_	 Alignment		100.0	22	Fold: PH domain-like barrel Superfamily: PH domain-like Family: Phosphotyrosine-binding domain (PTB)
8	d1ntva_	 Alignment		100.0	16	Fold: PH domain-like barrel Superfamily: PH domain-like Family: Phosphotyrosine-binding domain (PTB)
9	d1aqca_	 Alignment		100.0	25	Fold: PH domain-like barrel Superfamily: PH domain-like Family: Phosphotyrosine-binding domain (PTB)
10	c3so6A_	 Alignment		100.0	20	PDB header: protein binding/protein transport Chain: A: PDB Molecule: ldl receptor adaptor protein; PDBTitle: crystal structure of the ldl receptor tail in complex with autosomal2 recessive hypercholesterolemia ptb domain
11	d2dkqa1	 Alignment		100.0	25	Fold: PH domain-like barrel Superfamily: PH domain-like Family: Phosphotyrosine-binding domain (PTB)

12	c2yszA_	Alignment		100.0	18	PDB header: protein binding Chain: A: PDB Molecule: amyloid beta a4 precursor protein-binding family PDBTitle: solution structure of the chimera of the c-terminal pid2 domain of fe65l and the c-terminal tail peptide of app
13	c2elaB_	Alignment		99.9	16	PDB header: cell cycle Chain: B: PDB Molecule: adapter protein containing ph domain, ptb domain PDBTitle: crystal structure of the ptb domain of human appl1
14	c2gsbA_	Alignment		99.9	34	PDB header: signaling protein Chain: A: PDB Molecule: ras gtpase-activating protein 1; PDBTitle: solution structure of the second sh2 domain of human ras2 gtpase-activating protein 1
15	c2dcrA_	Alignment		99.9	29	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase fes/fps; PDBTitle: fully automated solution structure determination of the fes2 sh2 domain
16	c2hdxB_	Alignment		99.9	28	PDB header: signaling protein Chain: B: PDB Molecule: sh2-b ph domain containing signaling mediator 1 PDBTitle: crystal structure of the src homology-2 domain of sh2-b in2 complex with jak2 ptyr813 phosphopeptide
17	c3dxcC_	Alignment		99.9	19	PDB header: protein binding Chain: C: PDB Molecule: amyloid beta a4 protein-binding family b member PDBTitle: crystal structure of the intracellular domain of human app2 (t668a mutant) in complex with fe65-ptb2
18	c2yt1A_	Alignment		99.9	19	PDB header: protein binding Chain: A: PDB Molecule: amyloid beta a4 protein and amyloid beta a4 PDBTitle: solution structure of the chimera of the c-terminal tail2 peptide of app and the c-terminal pid domain of fe65l
19	c2kk6A_	Alignment		99.9	36	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase fer; PDBTitle: solution structure of sh2 domain of proto-oncogene tyrosine-2 protein kinase fer from homo sapiens, northeast structural3 genomics consortium (nesg) target hr3461d
20	d1ddma_	Alignment		99.9	28	Fold: PH domain-like barrel Superfamily: PH domain-like Family: Phosphotyrosine-binding domain (PTB)
21	c2eo6A_	Alignment	not modelled	99.9	22	PDB header: signaling protein Chain: A: PDB Molecule: b-cell linker protein; PDBTitle: solution structure of the sh2 domain from mouse b-cell2 linker protein blk
22	d1mila_	Alignment		99.9	47	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
23	c2dlzA_	Alignment	not modelled	99.9	19	PDB header: signaling protein Chain: A: PDB Molecule: protein vav-2; PDBTitle: solution structure of the sh2 domain of human protein vav-2
24	c2eo3A_	Alignment	not modelled	99.9	28	PDB header: signaling protein Chain: A: PDB Molecule: crk-like protein; PDBTitle: solution structure of the sh2 domain from human crk-like2 protein
25	c2dyqA_	Alignment	not modelled	99.9	22	PDB header: protein binding Chain: A: PDB Molecule: amyloid beta a4 precursor protein-binding family b member PDBTitle: crystal structure of the c-terminal phosphotyrosine interaction domain2 of human appb3
26	d2cy5a1	Alignment	not modelled	99.9	11	Fold: PH domain-like barrel Superfamily: PH domain-like Family: Phosphotyrosine-binding domain (PTB)
27	c2dlyA_	Alignment	not modelled	99.9	22	PDB header: transferase Chain: A: PDB Molecule: fyn-related kinase; PDBTitle: solution structure of the sh2 domain of murine fyn-related2 kinase
						Fold: SH2-like

28	d3c7ia1	Alignment	not modelled	99.9	27	Superfamily: SH2 domain Family: SH2 domain
29	c2lqnA	Alignment	not modelled	99.9	28	PDB header: signaling protein Chain: A: PDB Molecule: crk-like protein; PDBTitle: solution structure of crkl
30	d2oq1a1	Alignment	not modelled	99.9	24	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
31	c2b3oA	Alignment	not modelled	99.9	29	PDB header: hydrolase Chain: A: PDB Molecule: tyrosine-protein phosphatase, non-receptor type PDBTitle: crystal structure of human tyrosine phosphatase shp-1
32	d1wgua	Alignment	not modelled	99.9	22	Fold: PH domain-like barrel Superfamily: PH domain-like Family: Phosphotyrosine-binding domain (PTB)
33	d2shpa2	Alignment	not modelled	99.9	25	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
34	c2oq1A	Alignment	not modelled	99.9	24	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase zap-70; PDBTitle: tandem sh2 domains of zap-70 with 19-mer zeta1 peptide
35	d1fhsa	Alignment	not modelled	99.9	26	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
36	d1wvha1	Alignment	not modelled	99.9	20	Fold: PH domain-like barrel Superfamily: PH domain-like Family: Phosphotyrosine-binding domain (PTB)
37	c1ka6A	Alignment	not modelled	99.9	27	PDB header: immune system Chain: A: PDB Molecule: sh2 domain protein 1a; PDBTitle: sap/sh2d1a bound to peptide n-py
38	c3hizB	Alignment	not modelled	99.9	28	PDB header: transferase/oncoprotein subunit Chain: B: PDB Molecule: phosphatidylinositol 3-kinase regulatory subunit PDBTitle: crystal structure of p110alpha h1047r mutant in complex with2 nish2 of p85alpha
39	c1x6cA	Alignment	not modelled	99.9	27	PDB header: signaling protein Chain: A: PDB Molecule: tyrosine-protein phosphatase, non-receptor type PDBTitle: solution structures of the sh2 domain of human protein-2 tyrosine phosphatase shp-1
40	c2eobA	Alignment	not modelled	99.9	26	PDB header: hydrolase Chain: A: PDB Molecule: 1-phosphatidylinositol-4,5-bisphosphate PDBTitle: solution structure of the second sh2 domain from rat plc2 gamma-2
41	c2crhA	Alignment	not modelled	99.9	22	PDB header: signaling protein Chain: A: PDB Molecule: vav proto-oncogene; PDBTitle: solution structure of the sh2 domain of human proto-2 oncogene protein vav1
42	d1rjaa	Alignment	not modelled	99.9	28	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
43	d1opka2	Alignment	not modelled	99.9	28	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
44	c2ci8A	Alignment	not modelled	99.9	27	PDB header: translation Chain: A: PDB Molecule: cytoplasmic protein nck1; PDBTitle: sh2 domain of human nck1 adaptor protein - uncomplexed
45	d1blja	Alignment	not modelled	99.9	25	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
46	c2shpA	Alignment	not modelled	99.9	25	PDB header: tyrosine phosphatase Chain: A: PDB Molecule: shp-2; PDBTitle: tyrosine phosphatase shp-2
47	c2fo0A	Alignment	not modelled	99.9	30	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase abl1 (1b isoform); PDBTitle: organization of the sh3-sh2 unit in active and inactive forms of the2 c-abl tyrosine kinase
48	d1a81e1	Alignment	not modelled	99.9	24	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
49	d1a81e2	Alignment	not modelled	99.9	24	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
50	d1d4ta	Alignment	not modelled	99.9	25	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
51	d2izva2	Alignment	not modelled	99.9	24	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
52	d1jwoa	Alignment	not modelled	99.9	25	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
53	d1a81a1	Alignment	not modelled	99.9	27	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
54	d1pica	Alignment	not modelled	99.9	22	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain

55	d1ayaa	Alignment	not modelled	99.9	24	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
56	c3gqiB	Alignment	not modelled	99.9	28	PDB header: transferase/transferase inhibitor Chain: B: PDB Molecule: phospholipase c-gamma-1; PDBTitle: crystal structure of activated receptor tyrosine kinase in complex2 with substrates
57	c2y3aB	Alignment	not modelled	99.9	22	PDB header: transferase Chain: B: PDB Molecule: phosphatidylinositol 3-kinase regulatory subunit beta; PDBTitle: crystal structure of p110beta in complex with icsh2 of p85beta and2 the drug gdc-0941
58	c2ablA	Alignment	not modelled	99.9	29	PDB header: transferase Chain: A: PDB Molecule: abl tyrosine kinase; PDBTitle: sh3-sh2 domain fragment of human bcr-abl tyrosine kinase
59	d2oq1a2	Alignment	not modelled	99.9	27	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
60	d1csya	Alignment	not modelled	99.9	24	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
61	d1nrva	Alignment	not modelled	99.9	23	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
62	c2ozoA	Alignment	not modelled	99.9	23	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase zap-70; PDBTitle: autoinhibited intact human zap-70
63	c2lctA	Alignment	not modelled	99.9	21	PDB header: signaling protein Chain: A: PDB Molecule: proto-oncogene vav; PDBTitle: solution structure of the vav1 sh2 domain complexed with a syk-derived2 doubly phosphorylated peptide
64	c2ysxA	Alignment	not modelled	99.9	29	PDB header: signaling protein Chain: A: PDB Molecule: signaling inositol polyphosphate phosphatase PDBTitle: solution structure of the human ship sh2 domain
65	d1a81a2	Alignment	not modelled	99.9	22	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
66	d1k9aa2	Alignment	not modelled	99.9	29	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
67	c2ge9A	Alignment	not modelled	99.9	28	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase btk; PDBTitle: solution structures of the sh2 domain of bruton's tyrosine2 kinase
68	c2augB	Alignment	not modelled	99.9	24	PDB header: signaling protein Chain: B: PDB Molecule: growth factor receptor-bound protein 14; PDBTitle: crystal structure of the grb14 sh2 domain
69	d1r1qa	Alignment	not modelled	99.9	26	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
70	c1oplA	Alignment	not modelled	99.9	30	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase; PDBTitle: structural basis for the auto-inhibition of c-abl tyrosine2 kinase
71	c2hmhA	Alignment	not modelled	99.9	19	PDB header: cytokine regulator Chain: A: PDB Molecule: suppressor of cytokine signaling 3; PDBTitle: crystal structure of socs3 in complex with gp130(ptyr757)2 phosphopeptide.
72	d2cs0a1	Alignment	not modelled	99.9	26	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
73	c1k9aB	Alignment	not modelled	99.9	28	PDB header: transferase Chain: B: PDB Molecule: carboxyl-terminal src kinase; PDBTitle: crystal structure analysis of full-length carboxyl-terminal2 src kinase at 2.5 a resolution
74	c4f2A	Alignment	not modelled	99.9	26	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase syk; PDBTitle: structural and biophysical characterization of the syk activation2 switch
75	c3ps5A	Alignment	not modelled	99.9	28	PDB header: hydrolase, signaling protein Chain: A: PDB Molecule: tyrosine-protein phosphatase non-receptor type 6; PDBTitle: crystal structure of the full-length human protein tyrosine2 phosphatase shp-1
76	d1bkla	Alignment	not modelled	99.9	29	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
77	d2qmsa1	Alignment	not modelled	99.9	28	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
78	d1f2fa	Alignment	not modelled	99.9	29	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
79	d1jyra	Alignment	not modelled	99.9	25	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
80	d2eyva1	Alignment	not modelled	99.9	36	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
						Fold: SH2-like

81	d1lkka_	Alignment	not modelled	99.9	33	Superfamily: SH2 domain Family: SH2 domain
82	d2fcia1	Alignment	not modelled	99.9	30	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
83	d1i3za_	Alignment	not modelled	99.9	28	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
84	c2vifA_	Alignment	not modelled	99.9	24	PDB header: signaling protein Chain: A; PDB Molecule: suppressor of cytokine signalling 6; PDBTitle: crystal structure of socs6 sh2 domain in complex with a c-kit2 phosphopeptide
85	d1fu6a_	Alignment	not modelled	99.9	28	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
86	c1y57A_	Alignment	not modelled	99.9	22	PDB header: transferase Chain: A; PDB Molecule: proto-oncogene tyrosine-protein kinase src; PDBTitle: structure of unphosphorylated c-src in complex with an inhibitor
87	d2shpa3	Alignment	not modelled	99.9	36	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
88	d1o48a_	Alignment	not modelled	99.9	28	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
89	c1a81E_	Alignment	not modelled	99.9	21	PDB header: complex (transferase/peptide) Chain: E; PDB Molecule: syk kinase; PDBTitle: crystal structure of the tandem sh2 domain of the syk kinase bound to2 a dually tyrosine-phosphorylated itam
90	c2c9wA_	Alignment	not modelled	99.9	27	PDB header: transcription regulation Chain: A; PDB Molecule: suppressor of cytokine signaling 2; PDBTitle: crystal structure of socs-2 in complex with elongin-b and2 elongin-c at 1.9a resolution
91	d1qcfa2	Alignment	not modelled	99.9	27	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
92	d1g83a2	Alignment	not modelled	99.9	29	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
93	c1x27F_	Alignment	not modelled	99.9	31	PDB header: signaling protein Chain: F; PDB Molecule: proto-oncogene tyrosine-protein kinase lck; PDBTitle: crystal structure of lck sh2-sh3 with sh2 binding site of2 p130cas
94	c2dm0A_	Alignment	not modelled	99.9	30	PDB header: transferase Chain: A; PDB Molecule: tyrosine-protein kinase txk; PDBTitle: solution structure of the sh2 domain of human tyrosine-2 protein kinase txk
95	d1xa6a2	Alignment	not modelled	99.9	25	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
96	c2izvA_	Alignment	not modelled	99.9	21	PDB header: transcription Chain: A; PDB Molecule: suppressor of cytokine signaling 4; PDBTitle: crystal structure of socs-4 in complex with elongin-b and2 elongin-c at 2.55a resolution
97	d1qada_	Alignment	not modelled	99.9	24	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
98	c3nhnA_	Alignment	not modelled	99.9	26	PDB header: transferase Chain: A; PDB Molecule: tyrosine-protein kinase hck; PDBTitle: crystal structure of the src-family kinase hck sh3-sh2-linker2 regulatory region
99	c2knoA_	Alignment	not modelled	99.9	31	PDB header: hydrolase Chain: A; PDB Molecule: tensin-like c1 domain-containing phosphatase; PDBTitle: nmr solution structure of sh2 domain of the human tensin like c12 domain containing phosphatase (tenc1)
100	d1luia_	Alignment	not modelled	99.9	35	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
101	c2h8hA_	Alignment	not modelled	99.9	27	PDB header: transferase Chain: A; PDB Molecule: proto-oncogene tyrosine-protein kinase src; PDBTitle: src kinase in complex with a quinazoline inhibitor
102	c2c0iA_	Alignment	not modelled	99.9	24	PDB header: transferase Chain: A; PDB Molecule: tyrosine-protein kinase hck; PDBTitle: src family kinase hck with bound inhibitor a-420983
103	c2ekxA_	Alignment	not modelled	99.9	30	PDB header: signaling protein Chain: A; PDB Molecule: cytoplasmic tyrosine-protein kinase bmx; PDBTitle: solution structure of the human bmx sh2 domain
104	d2c9wa2	Alignment	not modelled	99.9	27	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
105	c1rqqC_	Alignment	not modelled	99.8	26	PDB header: transferase/signaling protein Chain: C; PDB Molecule: adaptor protein aps; PDBTitle: crystal structure of the insulin receptor kinase in complex2 with the sh2 domain of aps
106	d1rpya_	Alignment	not modelled	99.8	27	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
107	c3mazA_	Alignment	not modelled	99.8	30	PDB header: signaling protein Chain: A; PDB Molecule: signal-transducing adaptor protein 1;

107	c3m6zA_	Alignment	not modelled	99.8	20	PDBTitle: crystal structure of the human brdg1/stap-1 sh2 domain in complex with2 the ntal ptyr136 peptide
108	c2el8A_	Alignment	not modelled	99.8	17	PDB header: signaling protein Chain: A: PDB Molecule: signal-transducing adaptor protein 2; PDBTitle: solution structure of the human stap2 sh2 domain
109	c3gxxB_	Alignment	not modelled	99.8	16	PDB header: transcription Chain: B: PDB Molecule: transcription elongation factor spt6; PDBTitle: structure of the sh2 domain of the candida glabrata2 transcription elongation factor spt6, crystal form b
110	c1g83A_	Alignment	not modelled	99.8	29	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase fyn; PDBTitle: crystal structure of fyn sh3-sh2
111	c2eyzA_	Alignment	not modelled	99.8	32	PDB header: signaling protein Chain: A: PDB Molecule: v-crk sarcoma virus ct10 oncogene homolog PDBTitle: ct10-regulated kinase isoform ii
112	c2cr4A_	Alignment	not modelled	99.8	18	PDB header: signaling protein Chain: A: PDB Molecule: sh3 domain-binding protein 2; PDBTitle: solution structure of the sh2 domain of human sh3bp2 protein
113	c2dvjA_	Alignment	not modelled	99.8	30	PDB header: signaling protein Chain: A: PDB Molecule: v-crk sarcoma virus ct10 oncogene homolog, PDBTitle: phosphorylated crk-ii
114	d1cwea_	Alignment	not modelled	99.8	34	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
115	c3qwyA_	Alignment	not modelled	99.8	29	PDB header: signaling protein Chain: A: PDB Molecule: cell death abnormality protein 2; PDBTitle: ced-2
116	c3qwxX_	Alignment	not modelled	99.8	29	PDB header: signaling protein Chain: X: PDB Molecule: cell death abnormality protein 2; PDBTitle: ced-2 1-174
117	c2eyyA_	Alignment	not modelled	99.8	26	PDB header: signaling protein Chain: A: PDB Molecule: v-crk sarcoma virus ct10 oncogene homolog PDBTitle: ct10-regulated kinase isoform i
118	c2xp1A_	Alignment	not modelled	99.8	20	PDB header: transcription Chain: A: PDB Molecule: spt6; PDBTitle: structure of the tandem sh2 domains from antonospora locustae2 transcription elongation factor spt6
119	c2dx0B_	Alignment	not modelled	99.7	37	PDB header: hydrolase Chain: B: PDB Molecule: phospholipase c, gamma 2; PDBTitle: crystal structure of the n-terminal sh2 domain of mouse2 phospholipase c-gamma 2
120	c3or8A_	Alignment	not modelled	99.7	18	PDB header: transcription Chain: A: PDB Molecule: transcription elongation factor spt6; PDBTitle: a tandem sh2 domain in transcription elongation factor spt6